

TECHCONNECT TC2-HDMI IP

OWNERS MANUAL



www.visionaudiovisual.com/techconnect/tc2-hdmiip

DECLARATION OF CONFORMITY

Where applicable Vision products are certified and comply with all known local regulations to a 'CB Certification' standard. Vision commits to ensure all products are fully compliant with all applicable certification standards for sale in the EU and other participating countries.

The product described in this owner manual is in compliance with RoHS (EU directive 2002/95/EC), and WEEE (EU directive 2002/96/EC) standards. This product should be returned to the place of purchase at the end of its useful life for recycling.

WARNINGS



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

All products are designed and imported into the EU by 'Vision' who is wholly owned by 'Azlan Logistics Ltd.', Registered in England Nr. 04625566 at Lion House, 4 Pioneer Business Park, Clifton Moor, York, YO30 4GH. WEEE Registration: GD0046SY



DECLARATION OF ORIGIN

All Vision products are made in the People's Republic of China (PRC).

USE ONLY DOMESTIC AC OUTLETS

Connecting the unit to an outlet supplying a higher voltage may create a fire hazard.

HANDLE THE POWER CORD WITH CARE

Do not disconnect the plug from the AC outlet by pulling the cord; always pull the plug itself. Pulling the cord may damage it. If you do not intend to use your unit for any considerable length of time, unplug the unit. Do not place furniture or other heavy objects on the cord, and try to avoid dropping heavy objects on it. Do not tie a knot in the power cord. Not only could the cord be damaged, but a short circuit could also be caused with a consequent fire hazard.

PLACE OF INSTALLATION

Avoid installing this product under the following conditions:

- Moist or humid places
- Places exposed to direct sunlight or close to heating equipment
- Extremely cold locations
- Places subject to excessive vibration or dust
- Poorly ventilated places

Do not expose this product to dripping or splashing. **DO NOT PLACE OBJECTS FILLED WITH LIQUIDS ON OR NEAR THIS PRODUCT!**

MOVING THE UNIT

Before moving the unit, be sure to pull out the power cord from the AC outlet and disconnect the interconnection cords with other units.

WARNING SIGNS

If you detect an abnormal smell or smoke, turn this product off immediately and unplug the power cord. Contact your reseller or Vision.

PACKAGING

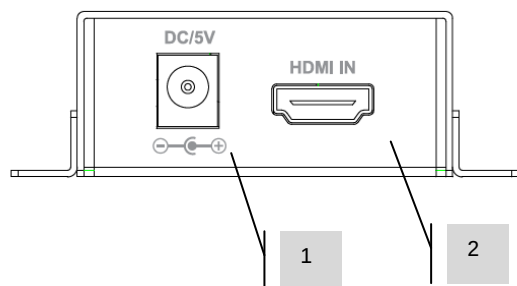
Save all packing material. It is essential for shipping in the event the unit ever needs repair.

IF ORIGINAL PACKAGING IS NOT USED TO RETURN THE UNIT TO THE SERVICE CENTRE, DAMAGE IN TRANSIT WILL NOT BE COVERED BY WARRANTY.

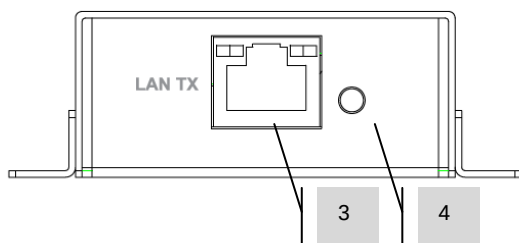
OVERVIEW

This product converts HDMI signal into native ethernet signal and allows the signal to be routed through a normal local area network.

TRANSMITTER

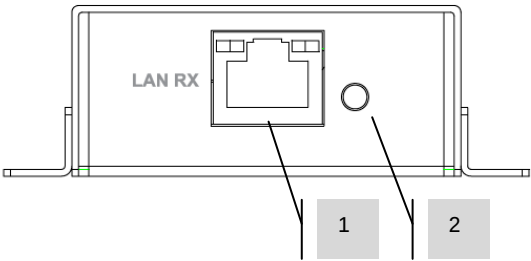


1. 5V 2A Power input
2. HDMI Input

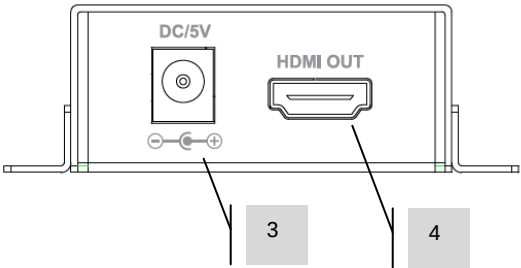


3. CAT5e/6 Output
4. Reset Button

RECEIVER



- 1. CAT5e/6 Output
- 2. Reset button



- 3. 5V 2A Power input
- 4. HDMI Output

INSTALLATION

NOTE: This product is peer to peer and must be used as a set.

NOTE: A power supply is required at each end.

Connect cables. Notes:

1. CAT5e/6 cables used should be wired to IEEE-568B standard. Unshielded Twisted Pair (UTP) or Shielded Twisted Pair (STP) are both acceptable.
2. Transmitter can connect directly to receiver without a cross-over cable.
3. The transmitter and receiver automatically find each other on a network when patched through a network switcher.

NOTE: It is not possible to use a network router as a distribution amplifier.

MULTIPLE SETS ON LAN

If more than one transmitter / receiver sets share same network:

METHOD 1:

Create a Virtual LAN on the network switch *for each* transmitter and receiver set. Example:

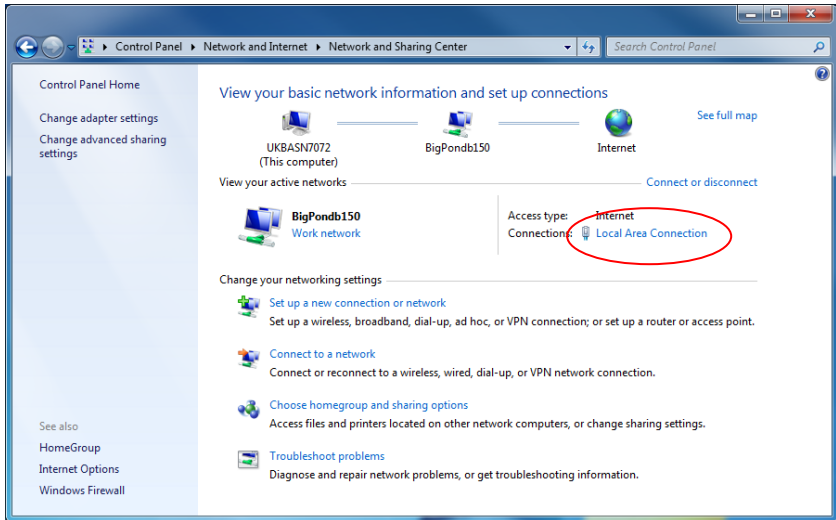
- Connect 15 transmitters to ports 1-15
- Connect 15 receivers to ports 16-30
- Create VLAN_1 and assign ports 1 and 16
- Create VLAN_2 and assign ports 2 and 17 etc...

METHOD 2:

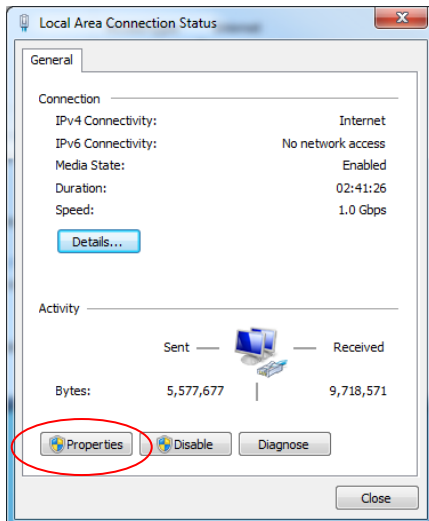
If method 1 does not work:

1. Connect transmitter or receiver directly to computer.
2. Power on device

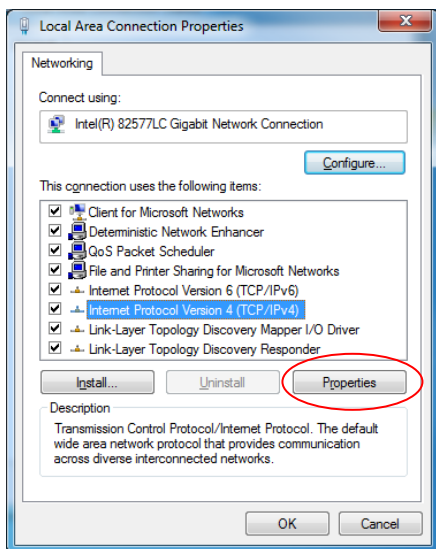
3. Change IP address of computer. On a Windows PC go Control Panel > Network and Internet > Network and Sharing Centre. Click on Local Area Network.



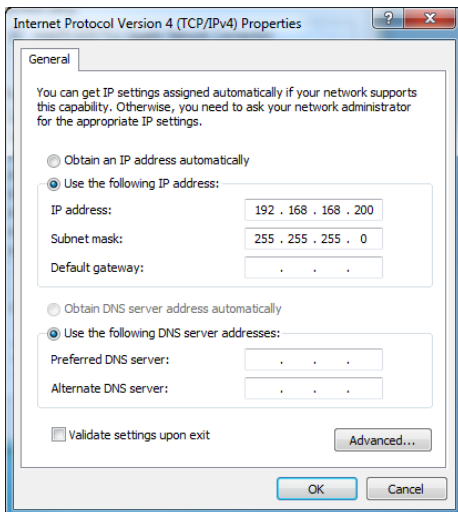
4. Click Properties



5. Select Internet Protocol Version 4 (TCP/IPv4). Click Properties.



6. Set IP address as follows:

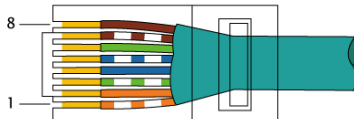


7. In browser enter device IP address to access the control panel. Default addresses:
Transmitters (Tx) 192.168.168.55 / Receivers (Rx) 192.168.168.56
8. Set IP addresses for devices to:

- a. 1st set: Tx 192.168.168.55 / Rx 192.168.168.56
- b. 2nd set: Tx 192.168.168.57 / Rx 192.168.168.58
- c. 3rd set: Tx 192.168.168.59 / Rx 192.168.168.60
- d. etc

TROUBLESHOOTING

If your system is not operating properly, please refer to the following information. If the problem persists, disconnect from power and contact your AV reseller immediately.

Problem	Correction
Yellow light flashing slowly	• Transmitter and receiver are reversed • Source device not outputting signal • HDMI input cable not working
Yellow light flashing quickly, no image	• Reduce resolution of source to match display device. • Check HDMI output cable
No yellow light	• Check network cable • Network cable is too long (network cables are limited to 100m between devices)
Image flashing or colour incorrect	• Press reset button • Check CAT5e/6 cable wiring. It should be wired to 568B standard at both ends:  If one end has green and orange swapped this is a cross-over cable and cannot be used.

SPECIFICATIONS

TRANSMITTER DIMENSIONS: 110 x 58 x 26 mm (length x width x height)

RECEIVER DIMENSIONS: as above

PRODUCT WEIGHT: 0.48 kg per set

CONSTRUCTION MATERIAL: Metal

COLOUR: White

TECHNICAL DETAILS:

Standard: IEEE-568B

Cable: CAT5/5E/6

Bandwidth: 50mbps

Frame rate: 30fps

HDMI format supported: 1080p @ 50/60Hz

HDMI Version: partial 1.4 e.g. 3D not supported

Maximum cable length: Standard Ethernet rules apply

CAT5: 80m between ethernet devices

CAT5e: 100m between ethernet devices

CAT6: 120m between ethernet devices

Maximum resolution: 1080p@50/60Hz

Operating temperature range: -5°C ~35 °C

Operating humidity range: 20%~90%

Power Consumption: 3 Watts (max) each

INPUTS:

1 x HDMI (type A)

OUTPUTS:

1 x HDMI (type A)

2 x POWER SUPPLY: 100-240v 50/60Hz AC External Power Supply – integrated transformer/plug type. DC Output 5V 2A, DC Cable 1.8m. Transformer dimensions: 76 x 44 x 26mm.

Interchangeable prongs including UK, EU, AU, US.

Note: a normal figure-8 cable can be plugged into the transformer if preferred.

COMPLIANCES: RoHS, WEEE, CE, and CB compliant.

ACCESSORIES

2 x Mounting ears

WARRANTY

This product comes with a 2-year return to base warranty, effective from the date of purchase. This warranty applies only to the original purchaser and is not transferable. For the avoidance of doubt, this will be taken from the information held by the appointed national distributor at the point of sale. If the product is DOA (dead on arrival), you have 21 days from purchase date to notify the national distributor via your AV reseller. The liability of the manufacturer and its appointed service company is limited to the cost of repair and/or replacement of the faulty unit under warranty, except for death or injury (EU85/374/EEC). This warranty protects you against the following:

- Failure of any components, including the power supply.
- Damage when the product is first removed from its packaging if reported within 24 hours of purchase.

If you find you do have a problem with this product, you should contact the AV reseller you purchased this product from. The original purchaser is responsible for shipment of the product to the manufacturer's appointed service centre for repair.

We will endeavour to return repaired units within 5 working days, however this may not always be possible, in which case it will be returned as soon as practicably possible. In line with our WEEE commitments, the manufacturer endeavours to replace the faulty parts of the product rather than replacing the whole unit. This warranty does not protect this product against faults caused by abuse, misuse, incorrect installation, unstable or faulty power input, which might be caused by ignoring the guidelines set out in this manual.

LEGAL DISCLAIMER: Because we are committed to improving our products, the details above may change without prior warning. This User Manual is published without warranty and any improvements or changes to the User Manual necessitated by typographical errors, inaccuracies of current information, or improvements to programs and/or equipment, may be made at any time and without notice. Such changes will be incorporated into new editions of the User Manual.